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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT Applicant(s) Benjamin P. Warner et al.															
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W 4 9 0 2 1 0 8 02/20/1990 H. J. Byker 359 265 03/31/196	03/31/1986														
5 9 9 8 6 1 7 12/07/1999 R. Srinvasa et al. 544 347 04/02/199	04/02/1997														
6 0 4 5 7 2 4 04/04/2000 D. V. Varaprasad et al 252 583 03/05/198	03/05/1998														
FOREIGN PATENT DOCUMENTS															
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0 1 9 3 3 6 3 06.12.2001 JP H01M 10/40 X															
0 8 3 2 9 4 7 9 23.06.1998 JP C07C 57/145 X															
0 1 6 3 3 5 0 30.08.2001 G02F 1/153 X															
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)															
(Name of Author ALL CAPS) RIKA HAGIWARA and YASUHIKO ITO, "Room Temperature Ionic Liquids of Alkylimidazolium Cations and Fluoroanions," Journal of Fluorine Chemistry, Vol. 105, pp. 221-227, 2000.															
CHARLES M. GORDON, "New Developments in Catalysis Using Ionic Liquids," Applied Catalysis A: General, Vol. 222, pp. 101-117, 2001.															
MARTYN J. EARLE, PAUL B. MCCORMAC, and KENNETH R. SEDDON, "Diels-Alder Reactions in Ion Liquids," Green Chemistry, pp. 23-25, February 1999.	ic														
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	ar	nd N	l-Bu	ıtylp	oyric	dini	um	Tet	rafl	uoroborate," J	. Phys. Ch	iem. A, vol. 106	6, pp. 3139	-3147, 2002.				
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1-1			4	6	7	1	6	1	9	06/09/1987	T. Kamii	mori et al.	350	357	07/09/	07/09/1985	
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										Lifetime Pred			Windows fo	r Buildings A	upplication (ons,"	
<u> </u>										ar Cells, vol. 50 BYKER, KEL			MANILIANIC	PINIVACA	"Near		
	In	fran	ed-/	٩bs	orb	ina	Ele	ctro	ochi	romic Compou	inds and D	evices Comp	rising the Sa	me." PCT A	policatio	n WO	
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8/7/04

- V.
- 1. Alan B. McEwen et al., "Non-Flammable Electrolytes," WO 01/93363, published December 6, 2001.
- 2. Watanabe Masayoshi et al., "Normal Temperature-Melting Salt and Electrochemical Device Using the Same," Japan 10-168028, issued June 23, 1998.
- 3. Christophe Michot et al., "Materials Useful as Electrolytic Solutes," U. S. Patent 6,365,301, issued April 2, 2002.
- 4. Rika Hagiwara and Yasuhiko Ito, "Room Temperature Ionic Liquids of Alkylimidazolium Cations and Fluoroanions," Journal of Fluorine Chemistry, Vol. 105, pp. 221-227, 2000.
- 5. Charles M. Gordon, "New Developments in Catalysis Using Ionic Liquids," Applied Catalysis A: General, Vol. 222, pp. 101-117, 2001.
- 6. Martyn J. Earle, Paul B. McCormac, and Kenneth R. Seddon, "Diels-Alder Reactions in Ionic Liquids," Green Chemistry, pp. 23-25, February 1999.
- 7. J. Sun, M. Forsyth, and D. R. MacFarlane, "Room-Temperature Molten Salts Based on the Quaternary Ammonium Ion," J. Phys. Chem. B. Vol. 102, pp. 8858-8865, 1998.
- 8. Desarju V. Varaprasad et al., "Electrochromic Polymeric Solid Films, Manufacturing Electrochromic Devices Using Such Solid Films, and Processes for Making Such Solid Films and Devices," U. S. Patent 6,420,036, issued July 16, 2002.
- 9. Harlan J. Byker, "Single-Compartment, Self-Erasing, Solution-Phase Electrochromic Devices, Solutions for Use Therein and Uses Thereof," U. S. Patent 4,902,108, issued February 20, 1990.
- 10. Ramanujan Srinivasa et al., "Electrochromic Compounds," U. S. Patent 5,998,617, issued December 7, 1999.
- 11. Desaraju V. Varaprasad et al., "Large Area Electrochromic Window," U. S. Patent 6,045,724, issued April 4, 2000.
- 12. Desaraju V. Varaprasad et al., "Electrochromic Polymeric Solid Films, Manufacturing Electrochromic Devices Using Such Solid Films, and Processes

8/7/04

for Making Such Films and Devices," U. S. Patent 6,245,262, issued June 12, 2001.

- 13. Kevin L. Ash et al., "Electrochromic Mirror with Two Thin Glass Elements and a Gelled Electrochromic Medium," U. S. Patent 5,940,201, issued August 17, 1999.
- 14. Niall R. Lynam, "Near-Infrared Reflecting, Safety Protected, Electrochromic Vehicular Glazing," U. S. Patent 5,864,419, issued January 26, 1999.
- 15. Niall R. Lynam, "Reduced Ultraviolet Radiation Transmitting, Safety Protected Electrochromic Glazing Assembly," U. S. Patent 6,122,093, issued September 19, 2000.
- 16. Kelvin L. Baumann et al., "Electrochromic Materials with Enhanced Ultraviolet Stability and Devices Comprising Same," U. S. Patent 6,362,914, issued March 26, 2002.
- 17. Jeffrey R. Lomprey et al., "Color-Stabilized Electrochromic Devices," U. S. Patent 6.310,714, issued October 30, 2001.
- 18. Desaraju V. Varaprasad et al., "High Performance Electrochemichromic Solutions and Devices Thereof," U. S. Patent 5,140,455, issued August 18, 1992.
- 19. Kelvin L. Baumann et al., "Electrochromic Materials with Enhanced Ultraviolet Stability and Devices Comprising Same," U. S. Patent Application Publication 2002/0012155, issued January 31, 2002.
- 20. Horst Berneth et al., "Electrochromic Contrast-Plate," U. S. Patent 6,344,918, issued February 5, 2002.
- 21. "Ultraviolet Stabilizers," Modern Plastics World Encyclopedia, pp. C-120-C-123, 2001.
- 22. Mark J. Muldoon, Andrew J. McLean, Charles M. Gordon, and Ian R. Dunkin, "Hydrogen Abstraction From Ionic Liquids by Benzophenone Triplet Excited States," Chem. Commun., pp. 2364-2365, 2001.

My

en

- 23. D. Behar, P. Neta, and Carl Schultheisz, "Reaction Kinetics in Ionic Liquids as Studied by Pulse Radiolysis: Redox Reactions in the Solvents Methyltributylammonium Bis(trifluoromethylsulfonyl)imide and N-Butylpyridinium Tetrafluoroborate," J. Phys. Chem. A, vol. 106, pp. 3139-3147, 2002.
- 24. Victor R. Koch et al., "Hydrophobic Ionic Liquids," U. S. Patent 5,827,602, issued October 27, 1998.
- 25. Anoop Agrawal et al., "Busbars for Electrically Powered Cells," U. S. Patent 6,317,248, issued November 13, 2001.
- 26. Jeffrey R. Lomprey, "Substituted Metallocenes for Use as Anodic Electrochromic Materials, and Electrochromic Media and Devices Comprising the Same," WO 01/63350, published August 30, 2001.
- 27. Horst Berneth et al., "UV-Protected Electrochromic Solution," U. S. Patent 6,372,159, issued April 16, 2002.
- 28. Harlan J. Byker et al., "Electrochromic Media for Producing a Preselected Color," U. S. Patent 6,141,137, issued October 31, 2000.
- 29. Yoshinori Nishikitani et al., "Electrochromic Device," U. S. Patent 6,519,072, issued February 11, 2003.
- 30. Uwe Claussen et al., "Electrochromic System," U. S. Patent 6,241,916, issued June 5, 2001.
- 31. Punam Giri, Leroy J. Kloeppner, K. L. Baumann, J. R. Lomprey, and Thomas F. Guarr, "Ultraviolet Stabilizing Materials Having a Solubilizing Moiety," U. S. Patent Application Publication 2003/0030883, published on February 13, 2003.
- 32. A. W. Czanderna, D. K. Benson, G. J. Jorgensen, J.-G. Zhang, C. E. Tracy, and S. K. Deb, "Durability Issues and Service Lifetime Prediction of Electrochromic Windows for Buildings Applications," Solar Energy Materials & Solar Cells, vol. 56, pp. 419-436, 1999.
- 33. Dave Thieste et al., "Near Infrared-Absorbing Electrochromic Compounds and Devices Comprising the Same," WO 99/45081, published Sept. 10, 1999.

8/7/04

Co

- 34. Tadatoshi Kamimori et al., "Electro-optic Device," U. S. Patent 4,671,619, issued June 9, 1987.
- 35. Pierre-Marc Allemand et al., "Electrochromic Devices," U. S. Patent 5,729,379, issued March 17, 1998.
- 36. Pierre-Marc Allemand et al., "Electrochromic Devices," U. S. Patent 6,178,034, issued January 23, 2001.
- 37. Pierre-Marc Allemand et al., "Electrochromic Devices," U. S. Patent 6,266,177, issued July 24, 2001.
- 38. Helmut-Werner Heuer et al., "Electrochromic Assembly Based on Poly(3,4-ethylenedioxythiophene) Derivatives in Combination With a Lithium Niobate Counterelectrode," U. S. Patent 6,327,070, issued December 4, 2001.
- 39. Mark Samuel Burdis, "Electrochromic Devices," U. S. Patent 6,172,794, issued January 9, 2001.
- 40. Gimtong Teowee et al., "Photochromic Devices," U. S. Patent 6,246,505, issued June 12, 2001.
- 41. Clemens Bechinger, Suzanne Ferrere, Arie Zaban, Julian Sprague, and Brian A. Greeg, "Photoelectrochromic Windows and Displays," Nature, vol. 383, pp. 608-610, October 1996.
- 42. Mark Niemeyer, "σ-Donor Versus η^6 - π -Arene Interactions in Monomeric Europium(II) and Ytterbium(II) Thiolates An Experimental and Computational Study," Eur. J. Inorg. Chem., pp. 1969-1981, 2001.
- 43. Kirk-Othmer Encyclopedia of Chemical Technology, 4th edition, vol. 3, pp. 1016-1018, pp. 1107-1109; and vol. 15, pp. 446-447.

This Information Disclosure Statement is not to be construed as a representation that a search has been made or that additional matter material to the examination of this application does not exist.

It is requested that the above citations be made of record in the

prosecution of this application. Applicant does not believe that any of these citations constitutes prior art under 35 U.S.C. 102.

Respectfully submitted,

Date: June 20, 2003

Reg. No. 42,346 Phone (505) 665-3111 Samuel L. Borkowsky Los Alamos National Laboratory LC/IP, MS A187 Los Alamos, New Mexico 87545